

DETAILED ACTION

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Tiffany Brooks on 1/25/11.

The application has been amended as follows:

- Claim 17, lines 10-13, replace with "means for receiving a search result comprising pilot acquisitions determined for the list of frequencies and additional frequencies not included in the list of frequencies, wherein the search result further comprises the list of frequencies and the additional frequencies, and wherein the search result further comprises each cell with which the wireless device acquired synchronization and timing based on the pilot acquisitions;"

- Replace the entire Claim 33 with - A non-transitory processor-readable memory having instructions stored thereon, the instructions comprising:

- code executable by a processor for processing a pending call with the first wireless network implementing a first radio access technology from 3rd Generation Partnership Project (3GPP);

- code executable by a processor for receiving a first message from the first wireless network to perform a handoff to the second wireless network, wherein

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the first message comprises a list of target cells in the second wireless network determined by the first wireless network to have a target cell location corresponding to a location of the wireless device;

code executable by a processor for transmitting a search message comprising a list of frequencies corresponding to the target cells to search for in the second wireless network;

code executable by a processor for receiving the search message and determining pilot acquisition for the list of frequencies and additional frequencies not included in the list of frequencies to produce a search result comprising the list of frequencies and the additional frequencies;

code executable by a processor for acquiring synchronization and timing for each cell for which pilot acquisition is determined;

code executable by a processor for establishing traffic channels with the second wireless network implementing a second radio access technology from 3rd Generation Partnership Project 2 (3GPP2); and

code executable by a processor for processing a new call with the second wireless network via one of the cells in the search result.

Allowable Subject Matter

Claims 1-11, 13-19 and 21-33 are allowed.

The following is an examiner's statement of reasons for allowance: The present invention is drawn to an INTER-SYSTEM HANDOFF BETWEEN WIRELESS COMMUNICATION NETWORKS OF DIFFERENT RADIO ACCESS TECHNOLOGIES.

Prior art such as Lee et al. (Lee), U.S. Patent No. 7,130,284 discloses a device and method for performing handoff from async mobile communication system to sync mobile communication system. Lee further discloses the mobile station operating in an async system acquires the timing of a sync system and then performs a handoff to the sync system. The mobile station receives a message including information about the adjacent base stations from the async base station through a broadcast channel. Here, the async base station sends to the mobile station information about the adjacent sync base stations together with the pilot offset PILOT_OFFSET and the frequency band of the individual sync base stations. The mobile station measures the strengths of the pilot signals from the adjacent base stations using the received information about the adjacent base stations and sends a message including the measured strengths of the pilot signals to the async base station through the reverse dedicated channel periodically or by request. See Col. 1, lines 25-37 and Col. 13, line 20-Col. 15, line 17. The present invention allows the mobile station to acquire and maintain the timing of the sync system prior to receiving a handoff indication or an adjacent cell search indication in the mobile communication system in which both async and sync systems coexist. See Col. 15, lines 28-32.

Prior art such as Kanerva et al. (Kanerva), U.S. Patent No. 6,493,554 discloses handover in a mobile communication system. Kanerva further discloses the MS

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measures the signals of the serving base station BTS1 and the base stations BTS that are closest to its location area for instance to select a suitable target cell for handover.

See Col. 1, lines 55-62.

Prior art such as Kim et al. (Kim), U.S. Publication No. 2001/0016493 discloses a method and apparatus for idle handoff in a cellular system. Kim further discloses information on a frequency assignment of the neighboring base stations and a list of the neighboring base stations is transmitted by the current base station to a mobile telephone over a current channel of the mobile telephone. The mobile telephone detects a pilot signal from one of the neighboring base stations. The mobile telephone determines whether the detected neighboring base station is included in the list of the neighboring base stations. If the detected neighboring base station is not included in the list of the neighboring base stations then the mobile recognizes the handoff as failed. See paragraphs [0059]-[0062]; [0071]; [0072]; [0080] and [0081].

Regarding Claim 1, the combination of Lee, Kanerva and Kim fail to disclose all limitations as required therefore, the claim is patentable.

Regarding Claim 13, the combination of Lee, Kanerva and Kim fail to disclose all limitations as required therefore, the claim is patentable.

Regarding Claim 15, the combination of Lee, Kanerva and Kim fail to disclose all limitations as required therefore, the claim is patentable.

Regarding Claim 17, the combination of Lee, Kanerva and Kim fail to disclose all limitations as required therefore, the claim is patentable.

Regarding Claim 18, the combination of Lee, Kanerva and Kim fail to disclose all limitations as required therefore, the claim is patentable.

Regarding Claim 27, the combination of Lee, Kanerva and Kim fail to disclose all limitations as required therefore, the claim is patentable.

Regarding Claim 29, the combination of Lee, Kanerva and Kim fail to disclose all limitations as required therefore, the claim is patentable.

Regarding Claim 33, the combination of Lee, Kanerva and Kim fail to disclose all limitations as required therefore, the claim is patentable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SHANTELL HEIBER whose telephone number is (571)272-0886. The examiner can normally be reached on Monday-Friday 9:00am-5:30pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edouard Patrick can be reached on 571-272-7603. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Shantell Heiber/

Examiner, Art Unit 2617

January 26, 2011

/Patrick N. Edouard/

Supervisory Patent Examiner, Art Unit 2617